

**Meeting Notice:**

Sept: Tuesday the 17th at 5:00 PM

Location: 131 Ash Conf Rm

Subject: *Finishes*

Project: *Not Finished Yet*

# Knot News

COLLINS WOODWORKERS GUILD NEWSLETTER

**This month:****Finishes**

There have been a lot of articles lately from Wood, Woodsmith, Fine Woodworking that have been addressing the make-or-buy beauty of a project.

Over the years, finishes have increased significantly in choice and quality. No more is there only one or two choices. Many types of finishes from polyurethane to oil, from lacquer to hybrids. Finishing is the final step of the process that gives wood surfaces desirable characteristics, including enhanced appearance and increased resistance to moisture and other environmental agents.

Planning: There are good characteristics to cover prior to staining. Let's leave those for another article, but suffice it to say that the sanding and glue-up process has been done (or will be), and cracks and flaws have been redressed.

Purpose: we need to understand the function and use of the end project. Will it be used for serving food, or a decorative piece? Will it need a sturdy finish from daily usage?

Types: It usually consists of several coats of [wax](#), [shellac](#), [drying oil](#), [lacquer](#), [varnish](#), or [paint](#), and each coat is typically followed by sanding.

These break down to three major types of finish:

- Evaporative
- Reactive
- Coalescing

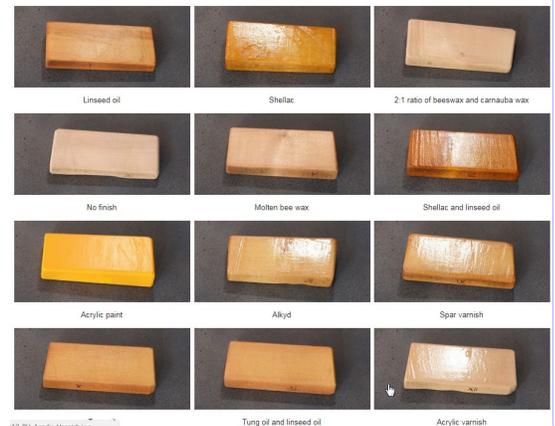
Wax is an evaporative finish because it is dissolved in turpentine or petroleum distillates to form a soft paste. After these distillates evaporate, a wax residue is left over.

Reactive finishes may use solvents such as white spirits and naphtha as a base. Varnishes, linseed oil and tung oil are reactive finishes, meaning they change chemically when they cure, unlike

evaporative finishes. This chemical change is typically a polymerization, and the resultant material is less readily dissolved in solvents.

Tung oil and linseed oil are reactive finishes that cure by reacting with oxygen, but do not form a film.

Water based finishes generally fall into the coalescing category.



Finally, the surface may be polished or buffed using steel wool, pumice, rotten stone or other materials, depending on the shine desired. Often, a final coat of wax is applied over the finish to add a degree of protection.

French polishing is a finishing method of applying many thin coats of shellac using a rubbing pad, yielding a very fine glossy finish.

Ammonia fuming is a traditional process for darkening and enriching the color of white oak. Ammonia fumes react with the natural tannins in the wood and cause it to change colours. The resulting product is known as "fumed oak".

Article courtesy of Wikipedia Wood finishing.

## Last Month meeting

The November meeting was called to order by Joel Gillett. It was our annual membership meeting with lots of giveaways, food and discussions. The main discussion was Officer Elections—President, Vice President, and Treasurer/Secretary. As Joel Gillett gallantly stepped up for another



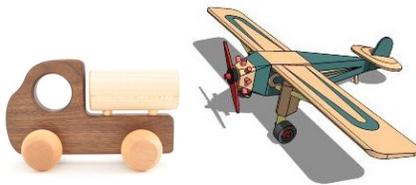
year and was the only candidate, he graciously accepted another year. Ron Kositzky volunteered for the Vice President, which was unanimously approved, and with Jerry Roland absent (he had left a message with Joel) he was absconded to continue in the Treasurer/Secretary role. All the other positions would remain with the same crime-stopping heroes.

The project was hinges. Richard Wolf brought out some antiques. We also saw the Euro-hinges.

Pizza and refreshments were had by all thanks to the Officers for coordinating all the food and gifts! I believe we were only about two prizes shy



October/November is our Toys For Tots build. Please watch for updates from our leadership!



## Membership

of going around twice for everyone. Many beautiful species of wood (we'd love to see these turn back up in projects to show), and fantastic prizes from ACME Tools—thanks Wayne & team).



Thank you to all the members who help make these meetings meaningful!



Q&A: There was a question posed: I have a gallon of glue that was left out in the cold and it froze. Is there a way to “revitalize” it?

A: from both Perry and Paul, there is no way to reconstitute frozen glue. It is best to pitch it (much like paint, pour it out on cardboard to harden and through in the trash). You should always be using fresh glue on projects. There is a shelf-life for glue, and beyond it's expiration, it does not bond, and your projects will split at the weak bonds.

## Upcoming projects:

October: Not Finished Yet

November: Spoons (blanks by Perry)

December: 2x4—something made from a 2x4, just a 2x4

January: pallet wood project

February: Food Serving ware

March:

April:

May:

June:

July:

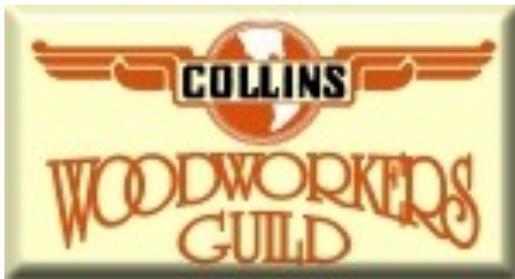
Plywood Core project

Patio Project

Noise-maker, musical or otherwise

August:

We would really LOVE to come see your shop. Would you be willing to open your [garage] door some time?



The Collins Woodworkers Guild is a club dedicated to preserving the age old practice of creation using the medium of wood. CWG members gather monthly to share tips, ideas and experience to further the knowledge of all members. From creating heirlooms for their families to Toys-For-Tots, members help each other get the most out of their woodworking experience.

Membership in the Collins Woodworkers Guild is open to ALL Rockwell Collins, Inc. Employees, Spouses, Retirees, and Contract Employees, AT ALL ROCKWELL COLLINS LOCATIONS!! Everyone is welcome at our meetings and yearly dues, renewed each September, are \$17.00

### GUILD BENEFITS

- Access to our EXTENSIVE library of books, magazines and Tool Collection
- Open exchange of ideas, from project help to house building; and a hand when needed
- Social Activities
- Workshops
- Toys-For-Tots and other Programs to help our Community
- Educational and Informative Presentations
- Open Houses
- Tours

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## Officers and Executive Committee

<b>President:</b>	Joel Gillett	RC.CWG.President@gmail.com
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<b>Secretary / Treasurer:</b>	Jerry Roland	RC.CWG.treasurer@gmail.com
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